

PETTIT Greg
<PETTIT.Greg@deq.state.or.us>

04/12/2012 02:47 PM

To BISHOP Karen, BOLING Brian, Scott Downey, Sheila Fleming, PETTIT Greg, Chad Schulze
cc Elizabeth Allen, 'Amy Pincus Merwin', 'Marijana(pronounced maari-yanna) and Dan Gee', FARRER DAVID G, 'esseneinfo@aol.com', 'Gary Hale', DOUGLAS JAE P, Richard Kauffman, 'Bobbi Lindberg (b) (6)', DUBROW Matthew E, 'rwr0@cdc.gov', 'Eron king', JOSHI Sujata

bcc

Subject RE: Testing.....

We don't know of any labs that run dioxins in food, we are checking into it and will let you know what we find out.

Greg

From: BISHOP Karen [mailto:karen.bishop@state.or.us]
Sent: Thursday, April 12, 2012 2:32 PM
To: BOLING Brian; Scott Downey; Sheila Fleming; PETTIT Greg; Schulze.Chad@epamail.epa.gov
Cc: 'Elizabeth Allen'; 'Amy Pincus Merwin'; 'Marijana(pronounced maari-yanna) and Dan Gee'; FARRER DAVID G; 'esseneinfo@aol.com'; 'Gary Hale'; DOUGLAS JAE P; Richard Kauffman; Bobbi Lindberg (b) (6); DUBROW Matthew E; 'rwr0@cdc.gov'; 'Eron king'; JOSHI Sujata
Subject: FW: Testing.....

Please see the below email from Marijana Gee re: testing for TCDD.

From: Marijana(pronounced maari-yanna) and Dan Gee [mailto:(b) (6)]
Sent: Wednesday, April 11, 2012 9:48 AM
To: Allen.Elizabeth@epamail.epa.gov; Karen BISHOP; Jae P DOUGLAS; Richard Kauffman; Dubrow Matthew E; Farrer David G
Cc: ESSENEINFO@aol.com; Eron king; Gary Hale; Bobbi Lindberg
Subject: Testing.....

Dear Investigation Team,
Again thank you so much for your energy and time spent at the Triangle Lake Grange last night. Thank you for your commitment as well as your patience!

Please forward this e mail to anyone else concerned that needs to be included, and or let me know who shall I forward it to. I would appreciate you forwarding it to Chad Schulze from EPA, as well.

I spoke briefly last night with Elizabeth Allen in regards to a possibility of testing dioxins in our area. I choose to know if anyone of you has ever heard about the history of dioxin contamination here.

I just received this document (attached) yesterday and read it thoroughly this

morning.

It was written by Peter DeFazio and explains the history of ELEVATED DIOXINS in this part of Western Oregon back in 1980s.

Please read the ATTACHED DOCUMENT prior to my questions so it makes sense what I am asking:

1. Seeing that these persistent ,toxic substances have already been ELEVATED in this area in 1980 s is there a way to test AGAIN for these persistent substances and see if the levels have spiked since the referred to study in the attachment?

2. As mentioned by Brenda Gaines at the last night's meeting the burning of slash piles that have previously been sprayed over hundreds of thousands of acres every year might be causing an ELEVATED DIOXIN LEVELS?
(I researched pesticides dioxin contamination and found out that in many cases 2,4-D IS STILL DIOXIN CONTAMINATED)

3. I was also hoping you can refer us to a reputable lab that we can hire to test our cow's milk ,eggs,honey and our drinking water DIOXIN LEVELS?
I know it may be expensive ,but it is important for us to find out.

4. PLEASE SEE THIS:

●
Endocrine disruptor, dioxin (TCDD)-induced mitochondrial dysfunction and apoptosis in human trophoblast-like JAR cells

1. Su-Chee Chen¹,
2. Tien-Ling Liao²,
3. Yau-Huei Wei³,
4. Chii-Reuy Tzeng^{4,5,†} and
5. Shu-Huei Kao^{2,4,*†}

± Author Affiliations

1. ¹*Department of Obstetrics and Gynecology, Cathay General Hospital, Taipei, Taiwan, ROC*
2. ²*School of Medical Laboratory Science and Biotechnology, Taipei Medical University, Taipei, Taiwan, ROC*
3. ³*Department of Biochemistry and Molecular Biology, National Yang-Ming University, Taipei, Taiwan, ROC*
4. ⁴*Center for Reproductive Medicine & Sciences, Taipei, Taiwan, ROC*

5. ⁵ *Department of Obstetrics and Gynecology, Taipei Medical University Hospital, Taipei, Taiwan, ROC*

1. *Correspondence address. Tel: [+886-2-2736-1661](tel:+886-2-2736-1661); Fax: [+886-2-2732-4510](tel:+886-2-2732-4510); E-mail: kaosh@tmu.edu.tw

- Received November 9, 2009.
- Revision received December 20, 2009.
- Accepted January 9, 2010.

Abstract

The endocrine disruptor 2,3,7,8-tetrachlorodibenzo-*p* -dioxin (TCDD) has been demonstrated to disrupt hormone signalling, reduce fertility, interfere with embryo development and cause spontaneous miscarriage in humans. The precise mechanisms of its effects on early implantation in humans are still unclear. In this study, we examined the relationship between mitochondrial function and dioxin-induced toxicity in JAR cells, a human trophoblast-like cell line. Several experiments were performed to address the effects of TCDD on cell viability, reactive oxygen species (ROS) generation, oxidative damage (indicated by the presence of lipoperoxides and oxidized DNA bases), mitochondrial DNA (mtDNA) copy number, ATP content, mtDNA mutations and the protein levels of p53, Bax, Bcl2, cytochrome *c* and caspase 3. Increased oxidative damage and mitochondrial dysfunction in TCDD-treated trophoblast-like cells was demonstrated. A 2.58-fold increase in lipid peroxides was detected in cells treated with 2 nM TCDD for 4 h. The oxidative DNA damage marker 8-hydroxy-2'-deoxyguanosine was significantly increased by TCDD treatment in a time-dependent manner. Meanwhile, reductions in mtDNA copy number and ATP content and an increase in mtDNA deletions were found. Furthermore, we observed increased apoptosis, p53 accumulation, Bax overexpression, cytochrome *c* release and sequential caspase 3 activation after TCDD exposure. These results indicate that oxidative damage and mitochondrial dysfunction may be responsible for the apoptotic effects of TCDD.

<http://molehr.oxfordjournals.org/content/16/5/361.abstract>

PLEASE LET ME KNOW .

Thank you,

Marijana